

Appendix 1. Preliminary Research's Results

Saline Concentration	Tofu chips				
	Color	Aroma	Taste	Crispiness	Overall
2.5 %	2.84	3.52	3.48	3.64	3.08
5 %	3.16	3.52	3.68	3.64	3.16
7.5 %	3.52	3.79	4.24	3.88	3.64

- Explanation on rank scores:

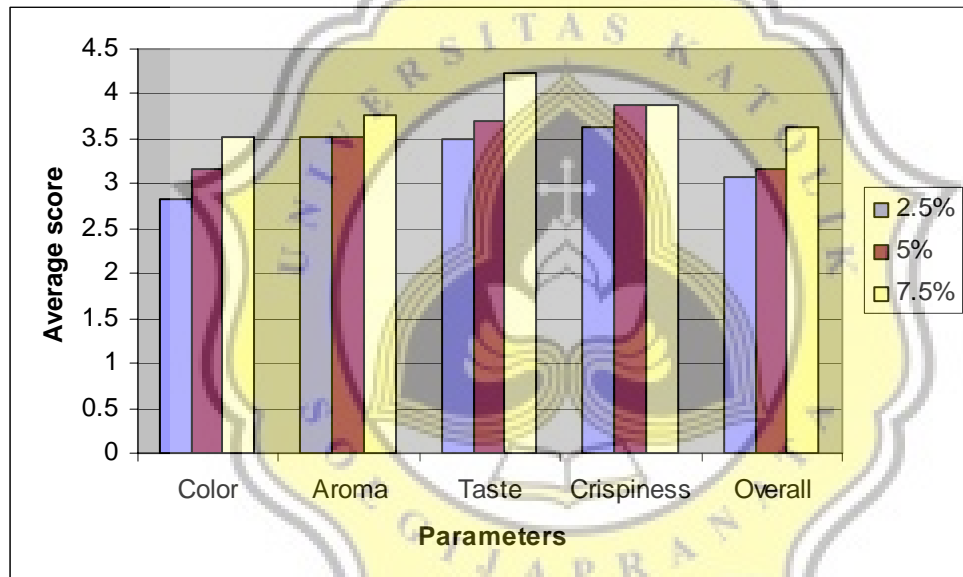
1 : dislike - definitely

2 : dislike - mildly

3 : neither like nor dislike

4 : like - mildly

5 : like - definitely



Appendix 2. Preliminary Research's Sensory Analysis Questionnaire Form

KUISIONER UJI ORGANOLEPTIK KERIPIK TAHU

Nama :

Umur :

Jenis kelamin :

Waktu pelaksanaan :

Di hadapan Anda tersedia 3 buah sampel keripik tahu. Anda diminta untuk memberikan penilaian terhadap warna, aroma, rasa, kerenyahan, dan keseluruhannya. Penilaian diberikan dengan menuliskan angka pada kolom yang telah disediakan dengan kriteria ranking penilaian yang telah ditentukan.

Ranking	Warna	Aroma	Rasa	Kerenyahan	Overall
1	Sangat Tidak Suka	Sangat Tidak Suka	Sangat Tidak Suka	Sangat Tidak Suka	Sangat Tidak Suka
2	Tidak Suka	Tidak Suka	Tidak Suka	Tidak Suka	Tidak Suka
3	Cukup Suka	Cukup Suka	Cukup Suka	Cukup Suka	Cukup Suka
4	Suka	Suka	Suka	Suka	Suka
5	Sangat Suka	Sangat Suka	Sangat Suka	Sangat Suka	Sangat Suka

Sampel	Warna	Aroma	Rasa	Kerenyahan	Overall
381					
147					
692					

Terima Kasih Atas Partisipasi Anda

Appendix 3. Primary Research's Sensory Analysis Questionnaire Form

KUISIONER UJI ORGANOLEPTIK KERIPIK TAHU

Nama :

Usia :

Jenis kelamin :

Waktu pelaksanaan :

Di hadapan Anda tersedia 12 sampel kerupuk tahu. Anda diminta untuk memberikan penilaian organoleptik berdasarkan tingkat kesukaan terhadap warna, aroma, kerenyahan, dan keseluruhan (overall).

Sampel tidak untuk dikonsumsi.

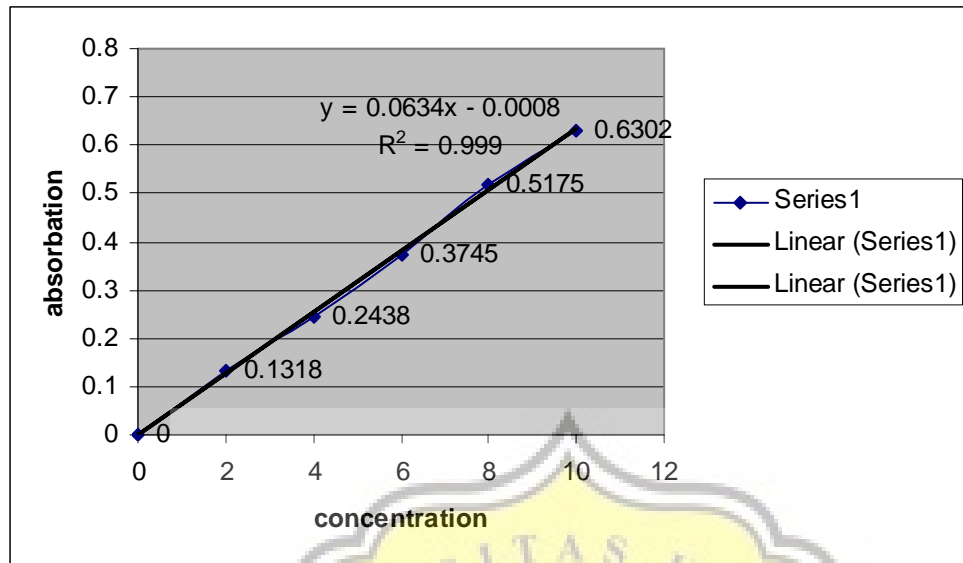
Kriteria penilaian :

1. Sangat tidak suka
2. Tidak suka
3. Agak suka
4. Suka
5. Sangat suka

Sampel	Warna	Aroma	Kerenyahan	Overall
246				
381				
149				
593				
628				
486				
862				
951				
753				
374				
614				
971				

**Terima Kasih Atas Partisipasi Anda
Semoga Tuhan memberkati**

Appendix 4. Formaldehyde Standard Curve



The formaldehyde standard curve formed linear line with following equation:

$$Y = 0.0634X - 0.0008$$

Where Y is the absorption value of spechtrophotometer.

$$\text{Formaldehyde concentration} = X \times \text{dilution factor}$$

Appendix 5. Descriptive Statistics of Moisture Content

Descriptives

Moisture_content_Cabinetdrying

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
NF-day 1 time 0h	6	82,0750	,53964	,22031	81,5086	82,6413	81,16	82,77
NF-day 1 time 1h	6	32,1721	,88031	,35938	31,2482	33,0959	31,40	33,33
NF-day 1 time 2h	6	13,5940	1,03853	,42398	12,5041	14,6839	12,81	15,04
NF-day 1 time 3h	6	8,3334	,33754	,13780	7,9792	8,6876	7,88	8,92
NF-day 1 tofu chips	6	1,7591	,11516	,04701	1,6383	1,8800	1,66	1,93
F-day 1 time 0h	6	81,2343	,23114	,09436	80,9917	81,4769	80,92	81,49
F-day 1 time 1h	6	33,3918	2,20978	,90214	31,0728	35,7109	30,79	36,24
F-day 1 time 2h	6	11,9889	1,03275	,42162	10,9051	13,0727	10,91	13,90
F-day 1 time 3h	6	6,7339	,69460	,28357	6,0050	7,4628	6,26	8,05
F-day 1 tofu chips	6	,7294	,10650	,04348	,6176	,8412	,62	,86
NF-day 2 time 0h	6	81,1847	,33345	,13613	80,8347	81,5346	80,95	81,61
NF-day 2 time 1h	6	34,1436	1,21254	,49502	32,8711	35,4161	33,16	35,69
NF-day 2 time 2h	6	14,6082	1,42635	,58231	13,1113	16,1050	13,58	16,98
NF-day 2 time 3h	6	7,3975	,68869	,28116	6,6747	8,1202	6,66	8,20
NF-day 2 tofu chips	6	1,5137	,07891	,03221	1,4309	1,5965	1,41	1,63
F-day 2 time 0h	6	81,4770	,37220	,15195	81,0864	81,8676	81,14	81,94
F-day 2 time 1h	6	32,1700	1,87937	,76725	30,1977	34,1423	29,94	35,62
F-day 2 time 2h	6	13,5206	1,29746	,52969	12,1590	14,8822	11,63	15,27
F-day 2 time 3h	6	6,5406	,44078	,17995	6,0781	7,0032	6,07	7,22
F- day 2 tofu chips	6	,6952	,10158	,04147	,5886	,8018	,53	,81
Total	120	27,2631	29,28450	2,67330	21,9697	32,5565	,53	82,77

Appendix 6. Descriptive Statistics of Formaldehyde Content

Descriptives

Formalin

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Cabinet-Tofu day 1	6	794,56833	10,741593	4,385237	783,29572	805,84094	778,090	806,120
Solar Tunnel -Tofu day 1	6	794,56833	10,741593	4,385237	783,29572	805,84094	778,090	806,120
Sun - Tofu day 1	6	794,56833	10,741593	4,385237	783,29572	805,84094	778,090	806,120
Cabinet -Tofu day 2	6	607,27833	14,812804	6,047302	591,73325	622,82342	586,860	630,780
Solar Tunnel - Tofu day 2	6	607,27833	14,812804	6,047302	591,73325	622,82342	586,860	630,780
Sun - Tofu day 2	6	607,27833	14,812804	6,047302	591,73325	622,82342	586,860	630,780
Cabinet - Dried Tofu day 1	6	253,93507	2,382941	,972832	251,43433	256,43581	250,943	257,371
Solar Tunnel - Dried Tofu day 1	6	278,55517	8,934325	3,647423	269,17917	287,93117	266,916	293,277
Sun - Dried Tofu day 1	6	378,71716	26,777005	10,931667	350,61641	406,81790	349,323	406,128
Cabinet - Dried Tofu day 2	6	225,58023	4,076300	1,664142	221,30242	229,85805	221,770	232,594
Solar Tunnel - Dried Tofu day 2	6	241,93003	7,182207	2,932124	234,39277	249,46730	230,345	252,402
Sun - Dried Tofu day 2	6	350,51285	4,915235	2,006636	345,35463	355,67108	343,140	357,539
Cabinet - Tofu Chips day 1	6	82,95882	1,050035	,428675	81,85688	84,06077	81,472	84,016
Solar Tunnel - Tofu Chips day 1	6	91,22881	1,156938	,472318	90,01468	92,44294	89,839	93,032
Sun - Tofu Chips day 1	6	105,42467	2,346764	,958062	102,96189	107,88745	101,130	107,852
Cabinet - Tofu Chips day 2	6	71,14589	1,503085	,613632	69,56850	72,72328	69,624	73,584
Solar Tunnel - Tofu Chips day 2	6	84,54347	2,035253	,830888	82,40760	86,67933	81,460	87,350
Sun-Tofu Chips day 2	6	100,86241	1,377884	,562519	99,41641	102,30841	98,666	102,618
Total	108	359,49637	263,921881	25,395895	309,15197	409,84077	69,624	806,120

Appendix 7. Descriptive Statistics of Crispiness

Descriptives

Crispiness

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Cabinet - Dried Tofu - NF day 1	6	3,89900	,034647	,014144	3,86264	3,93536	3,846	3,945
Solar Tunnel - Dried Tofu - NF day 1	6	3,63917	,048006	,019598	3,58879	3,68955	3,587	3,701
Sun - Dried Tofu - NF day 1	6	2,47700	,084631	,034550	2,38819	2,56581	2,345	2,602
Cabinet - Dried Tofu - NF day 2	6	3,92617	,014162	,005782	3,91130	3,94103	3,913	3,946
Solar Tunnel - Dried Tofu - NF day 2	6	3,70200	,010545	,004305	3,69093	3,71307	3,688	3,719
Sun - Dried Tofu - NF day 2	6	2,45133	,033625	,013728	2,41605	2,48662	2,401	2,489
Cabinet - Dried Tofu - F day 1	6	7,23950	,115998	,047356	7,11777	7,36123	7,064	7,389
Solar Tunnel - Dried Tofu - F day 1	6	6,72217	,019364	,007905	6,70185	6,74249	6,703	6,756
Sun - Dried Tofu - F day 1	6	6,06067	,055298	,022575	6,00263	6,11870	5,981	6,125
Cabinet - Dried Tofu - F day 2	6	7,25417	,060436	,024673	7,19074	7,31759	7,164	7,338
Solar Tunnel - Dried Tofu - F day 2	6	6,70500	,053232	,021732	6,64914	6,76086	6,616	6,775
Sun - Dried tofu - F day 2	6	6,08033	,020373	,008317	6,05895	6,10171	6,048	6,103
Total	72	5,01304	1,769525	,208540	4,59722	5,42886	2,345	7,389

Appendix 8. Normality Test Results of Formaldehyde Content

Tests of Normality

Treatment		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Formalin	Cabinet-Tofu day 1	,239	6	,200*	,930	6	,581
	Solar Tunnel -Tofu day 1	,239	6	,200*	,930	6	,581
	Sun - Tofu day 1	,239	6	,200*	,930	6	,581
	Cabinet -Tofu day 2	,241	6	,200*	,943	6	,687
	Solar Tunnel - Tofu day 2	,241	6	,200*	,943	6	,687
	Sun - Tofu day 2	,241	6	,200*	,943	6	,687
	Cabinet - Dried Tofu day 1	,220	6	,200*	,956	6	,788
	Solar Tunnel - Dried Tofu day 1	,189	6	,200*	,961	6	,831
	Sun - Dried Tofu day 1	,247	6	,200*	,825	6	,097
	Cabinet - Dried Tofu day 2	,187	6	,200*	,897	6	,355
	Solar Tunnel - Dried Tofu day 2	,239	6	,200*	,947	6	,715
	Sun - Dried Tofu day 2	,209	6	,200*	,968	6	,879
	Cabinet - Tofu Chips day 1	,254	6	,200*	,878	6	,260
	Solar Tunnel - Tofu Chips day 1	,142	6	,200*	,975	6	,922
	Sun - Tofu Chips day 1	,240	6	,200*	,887	6	,303
	Cabinet - Tofu Chips day 2	,156	6	,200*	,932	6	,599
	Solar Tunnel - Tofu Chips day 2	,261	6	,200*	,942	6	,679
	Sun-Tofu Chips day 2	,187	6	,200*	,970	6	,894

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Appendix 9. Normality Test Results of Crispiness

Tests of Normality

Treatment		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Crispiness	Cabinet - Dried Tofu - NF day 1	,166	6	,200*	,978	6	,940
	Solar Tunnel - Dried Tofu - NF day 1	,200	6	,200*	,907	6	,415
	Sun - Dried Tofu - NF day 1	,190	6	,200*	,976	6	,929
	Cabinet - Dried Tofu - NF day 2	,218	6	,200*	,863	6	,199
	Solar Tunnel - Dried Tofu - NF day 2	,204	6	,200*	,968	6	,877
	Sun - Dried Tofu - NF day 2	,196	6	,200*	,928	6	,564
	Cabinet - Dried Tofu - F day 1	,171	6	,200*	,982	6	,960
	Solar Tunnel - Dried Tofu - F day 1	,252	6	,200*	,887	6	,303
	Sun - Dried Tofu - F day 1	,179	6	,200*	,945	6	,701
	Cabinet - Dried Tofu - F day 2	,185	6	,200*	,983	6	,966
	Solar Tunnel - Dried Tofu - F day 2	,208	6	,200*	,964	6	,848
	Sun - Dried tofu - F day 2	,147	6	,200*	,958	6	,801

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Appendix 10. Post Hoc Test Results of Formaldehyde Content

Formalin

Duncan^a

Treatment	N	Subset for alpha = .05											
		1	2	3	4	5	6	7	8	9	10	11	12
Cabinet - Tofu Chips day 2	6	71,14589											
Cabinet - Tofu Chips day 1	6	82,95882	82,95882										
Solar Tunnel - Tofu Chips day 2	6		84,54347										
Solar Tunnel - Tofu Chips day 1	6		91,22881	91,22881									
Sun-Tofu Chips day 2	6			100,86241	100,86241								
Sun - Tofu Chips day 1	6				105,42467								
Cabinet - Dried Tofu day 2	6					225,58023							
Solar Tunnel - Dried Tofu day 2	6						241,93003						
Cabinet - Dried Tofu day 1	6							253,93507					
Solar Tunnel - Dried Tofu day 1	6								278,55517				
Sun - Dried Tofu day 2	6									350,51285			
Sun - Dried Tofu day 1	6										378,71716		
Cabinet -Tofu day 2	6											607,27833	
Solar Tunnel - Tofu day 2	6											607,27833	
Sun - Tofu day 2	6											607,27833	
Cabinet-Tofu day 1	6												794,56833
Solar Tunnel -Tofu day 1	6												794,56833
Sun - Tofu day 1	6												794,56833
Sig.		,050	,194	,109	,446	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

Appendix 11. Post Hoc Test Results of Crispiness

Crispiness

Duncan^a

Treatment	N	Subset for alpha = .05					
		1	2	3	4	5	6
Sun - Dried Tofu - NF day 2	6	2,45133					
Sun - Dried Tofu - NF day 1	6	2,47700					
Solar Tunnel - Dried Tofu - NF day 1	6		3,63917				
Solar Tunnel - Dried Tofu - NF day 2	6		3,70200				
Cabinet - Dried Tofu - NF day 1	6			3,89900			
Cabinet - Dried Tofu - NF day 2	6			3,92617			
Sun - Dried Tofu - F day 1	6				6,06067		
Sun - Dried tofu - F day 2	6				6,08033		
Solar Tunnel - Dried Tofu - F day 2	6					6,70500	
Solar Tunnel - Dried Tofu - F day 1	6					6,72217	
Cabinet - Dried Tofu - F day 1	6						7,23950
Cabinet - Dried Tofu - F day 2	6						7,25417
Sig.		,420	,051	,393	,536	,589	,644

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.